

Weekly Colloquium

Tuesday, 11/28/2017, 12:30pm, Billings Building – Rosedale Conference Room

“Inflammation and Recovery after Intracerebral Hemorrhage”

Lauren H. Sansing, MD, MS

Associate Professor

Department of Neurology

Human and Translational Immunology Program

Yale University School of Medicine



Research Summary:

Dr. Sansing’s primary research focus has been on mechanisms of leukocyte recruitment and activation after ICH and the mechanisms of the resolution of inflammation and recovery. The desire to improve outcome after stroke incited this interest in inflammatory mechanisms of secondary brain injury. For the past seven years, her laboratory has investigated the role of innate immune responses after intracerebral hemorrhage in experimental murine *in vivo* and *in vitro* models, as well as *ex vivo* models using patient blood and surgical specimens. As a physician-scientist, her goal is to identify the pathological processes that lead to brain injury in our patients, as well as the processes that aid in recovery and repair. With this understanding, we can develop targeted therapeutics to minimize injury after stroke and maximize recovery.

Recent Publications:

Ridker PM, Revkin J, Amarenco P, Brunell R, Curto M, Civeira F, Flather M, Glynn RJ, Gregoire J, Jukema JW, Karpov Y, Kastelein JJP, Koenig W, Lorenzatti A, Manga P, Masiukiewicz U, Miller M, Mosterd A, Murin J, Nicolau JC, Nissen S, Ponikowski P, Santos RD, Schwartz PF, Soran H, White H, Wright RS, Vrablik M, Yunis C, Shear CL, Tardif JC; SPIRE Cardiovascular Outcome Investigators. Cardiovascular Efficacy and Safety of Bococizumab in High-Risk Patients. *N Engl J Med.* 2017 Apr 20;376(16):1527-1539.

Ridker PM, Tardif JC, Amarenco P, Duggan W, Glynn RJ, Jukema JW, Kastelein JJP, Kim AM, Koenig W, Nissen S, Revkin J, Rose LM, Santos RD, Schwartz PF, Shear CL, Yunis C; SPIRE Investigators. Lipid-Reduction Variability and Antidrug-Antibody Formation with Bococizumab. *N Engl J Med.* 2017 Apr 20;376(16):1517-1526.

Søndergaard L, Kasner SE, Rhodes JF, Andersen G, Iversen HK, Nielsen-Kudsk JE, Settergren M, Sjöstrand C, Roine RO, Hildick-Smith D, Spence JD, Thomassen L; Gore REDUCE Clinical Study Investigators. Patent Foramen Ovale Closure or Antiplatelet Therapy for Cryptogenic Stroke. *N Engl J Med.* 2017 Sep 14;377(11):1033-1042.

Working model of macrophage responses

